

Overview

- Some fundamental (pension) accounting questions
- Some themes from IASB discussions to date
- · Comparisons with insurance accounting
- Thoughts on different measurement approaches
- The Profession's discount rate research project
- Should different discount rates be used for different purposes?

Ultimate cost of any pension plan

Benefits Paid from the Plan

Plus

Administrative Expenses, Taxes & Levies

Less

Investment Gains (Net of Losses)

Conceptual framework

- The objective and purpose of accounts
 - financial reporting should provide information that is useful in making business and resource allocation decisions
 - information must be timely and complete for it to be relevant and reliable
- Disclosures convey additional information on quality of decisions and risk considerations

Some fundamental (pension) accounting questions

- Are IAS19 figures decision useful?
 - Useful to whom and for what purpose?
 - To provide best possible quantification or to facilitate comparison?
 - Show economic or legal obligation? Is it decision useful if the IAS19 figures result in higher liabilities than an entity's obligations under local law?
 - Should we show the entity's cashflow to the plan, or the plan's cashflow to the beneficiaries?
 - How do pension figures compare with other company obligations recorded in the accounts? Are all obligations measured consistently?
 - Which risks to quantify, which to disclose, and which neither?
 - What do accounts they tell us about risk?
- Technical approach?
 - Project cashflows against what measurement objective?
 - What does 'settlement' mean?
 - Build risk into cashflows and then apply a nil risk discount rate?
 - Should a "neutral" discount rate be used?
 - Should a liquidity premium be taken into account?
 - Should credit risk be taken into account?
 - Should non-performance risk be taken into account?
- Are the projected cashflows more decision useful than NPV figures?
 - 90% (?) of the volatility in pension values comes from volatility in discount rates not the cashflows?

IASB's fundamental review of IAS19

- In April 2009, Sir David Tweedie asked the IAA to assist the IASB in setting discount rates used in the measurement of defined benefit obligations
 - Views on the current objective of a high quality corporate bond?
 - Would a fair value objective provide more relevant information? What discount rates would this point to?
 - What other objectives could be used?
 - How much guidance should the IASB provide on implementing the proposed objectives for the discount rate?
- This would inform the IASB's fundamental review of IAS19 planned for earliest mid 2011
 - Definition of a liability
 - Measurement
 - Consolidation

Some themes from IASB discussions to date

- · Not possible, or misleading to users of accounts, to measure all risks?
 - Obligations and risks can be measured, disclosed, both or neither
 - Do cashflows provide more decision useful information than measurements
- What measurement objective to they wish to apply?
 - Fulfillment/settlement/exit price etc
- · Which obligations do the IASB want to measure / disclose?
 - ABO or PBO
 - Should contractual, constructive & discretionary benefits be separately disclosed?
 - [Obligations brought forward from use of uniform accrual]
- Are constructive benefits really constructive?
 - Non performance risk
- Comparison of pension accounting with that for other corporate obligations

Accounting treatment of different corporate obligations

	Mark to market	Impact recorded in P&L	Allowance for credit risk	Sensitivity to interest rate changes
Current IAS 19	Yes (with option to amortise)	An option (which few adopt)	Yes – independent of entity risk	Yes, if material
ASB proposal	Yes	Yes	No – risk free	Yes – even if not material
Debt issued by entity	No (disclosure only)	No	Yes – as at issue	No (because impact is nil if not marked to market)
Lease arrangements (asset and lease payments)	No (not all on balance sheet; amortised cost even if on)	No	Yes – implicitly – as at issue	No (because impact is nil if not marked to market)
Bank fixed rate loans/deposits	No	No	Yes – implicitly (interest rate reflects risk)	No (because impact is nil if not marked to market)
Framework	No preference for one measurement model over others	No stated preference for P&L vs SoRIE	Not addressed	Not addressed
Conceptual framework (draft)	Not addressed yet	Not addressed yet	Not addressed yet	Not addressed yet

Why?

- · A function of history
- · Pension is in respect of a service rather than a fee
- · Pension cashflows are uncertain

IAA work programme

- The IAA pensions committee and the IASB meet twice a year
- IAA has started work on
 - Similarities and differences between insurance and pensions
 - Should actuaries promote focused cashflow related information?
 - Implications of different approaches to measurement
 - Economic
 - Solvency
 - Legal / delivery vehicle specific
 - Enterprise risk management
- A UK Pensions PEC working party has been established to focus on UK aspects of these and other questions also
 - Volunteers always welcome

Some similarities and differences between insurance and pensions

- Non-participating insurance is contract driven: security is an external feature factored into the price of the product
- Historically, pensions were a best endeavour by the employer dependent on affordability. With changing (UK) legislation, security of past service benefits has become a harder feature of (UK) pensions. Employers are managing the "cost" of pension in various ways.

There remains a social policy element to pensions

- Participating insurance: Policyholders have paid a 'bonus loading' and are entitled to certain expectations (subject to investment performance/affordability)
 - cf deferred pay concept
 - cf contractual/constructive/discretionary benefits
- Insurance accounting follows insurance regulation
 - It is primarily focused on explicit solvency capital requirements
 - pensions include non-cash capital (covenant, disclosures)

Should accounting recognise the different context between pensions and insurance?

Should accounting of pensions be more aligned with accounting of with-profits business?

Should accounting reflect different management of 'own' credit risk?

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Insurance accounting: Current

Accounting requirements same as FSA statutory reporting requirements

- Technical provisions
 - Gross redemption yields on assets
 - eliminating credit risk but not any premium arising from lack of marketability
 - 971/2% of adjusted yields
 - Running yield on equities and property
 - Average of current dividend and earnings yield, but no allowance for future growth
 - No liability for future awards of bonus

In addition, for larger with profits funds,

- Enhanced Capital Requirement to demonstrate ability to treat customers fairly
 - Market-consistent valuation of options and guarantees
 - Market consistent allowance for future returns on investment
 - Running yield, no allowance for capital growth
 - Stochastic approaches preferred

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Insurance regulation - where we might be going

Solvency II

- · Technical provisions to be best estimate plus a risk margin
 - Can be interpreted as the amount another undertaking would require to take over the obligations
- Risk-free term structure of interest rates to be used
 - In general no regard to assets actually held
- · Discussion over how risk-free rates should be determined
 - Reference rates
 - Term structure / re-investment risk
 - Default/downgrade risks
 - Strong argument from industry for an Illiquidity premium

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Will measurement of insurance contracts follow SII?

Revision of IFRS 4

- Long and twisting road to a standard for insurance contracts (still changing)
- · Latest draft of IFRS (revised) proposes fulfilment value
 - Amount it would rationally pay at end of reporting period to be relieved of the present obligation
 - TPs include a risk margin
 - Risk margin = amount an insurer requires for bearing the uncertainty from having to fulfil the
 obligation
- Measurement (tentative)
 - Allow for probability weighted cash flows, and time value of money
 - Discount rate to capture characteristics of liability (not expected return on assets)
- Seems aligned with SII technical provisions (assuming fulfilment value embraces an illiquidity premium).

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IAA work programme Economic approach?

Analyse cashflows according to those that are

	Collateralised /	Non-collateralised /
	priority creditor status	low priority
Vested		
Unvested		

- · Apply different discount rates reflecting nature of cashflows
 - Vested/collateralised : use "nil risk" rate?
 - Other: Higher rate allowing for non-performance or credit risk?
- Accounting liability cannot be less than local funding law liability?

IAA work programme Solvency approach?

- Start with insurance pricing ('buy-out')
- Strip out factors not consistent with the nature of pension cashflows
 - Profit
 - solvency margins
 - other margins/re-spread front end loadings for commercial risks
 - (stronger credit of insurer?)
 - etc
- Add in any solvency/funding margins from local pensions law
- Alternatively
 - Start with insurance reserve before adding solvency, expense etc margins
 - Adjust for any solvency/funding margins from local pensions law

IAA work programme Legal & Enterprise Risk Management approaches?

- Legal
 - Accounting measurement looks through the vehicle used to deliver the benefits as if there is a direct obligation from the employer
 - NB consolidation rules may look at the vehicle
 - But the vehicle used can change the nature of the obligation and hence the cashflows the employer is obligated to provide in law
 - Credit & non-performance risks are key considerations
 - Should the accounting reflect the economic or the legal obligation?
- ERM
 - Look at the pension scheme as part of the employer
 - Should accounting factor in cashflows that assume a greater obligation by the company than that required under local law and funding rules etc

Research project on discount rates

- · Why commissioned?
 - Discount rates are the heart of many models and therefore of significant public interest
 - Ensure a clear and common understanding of the issues surrounding different rates used today
 - Support the development of future framework for discount rates
- Phase 1
 - Packet 1: Survey of current practices
 - Packet 2: Survey of existing research and debate
 - Packet 3: Develop a common language for communicating current practice on discount rates and risk
- Phase 2
 - Packet 4: developing a common framework
 - Packet 5: the impact of change

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Packet 1: Current Practice

Survey of different discount rates currently used for different purposes in each practice area in the UK

To include

■Historical perspective

■Legislative framework

Nature of promise

• Impact of government actions on nature of promise

To understand who liabilities are in respect of

Shareholders

Policyholders

Management

Regulators

Trustees

• Pension scheme members

Covering following areas of actuarial work:

Life assurance

General insurance

• Pensions

• Finance & Investment

• Enterprise Risk Management

UK focus with only a passing reference to international developments where they have a particular bearing on UK practice

Initial findings: Discount Rate project

- Number of different methodologies for setting discount rates
- Principle Drivers
 - Purpose of the calculation and the context (practice area)
- Calculations fall into two broad categories:

Matching calculations

- What are the characteristics of the liability cash flow?
- Are there any traded instruments which match liability cash flows?
- Is the market deep, liquid and transparent?

Budgeting calculations

- How is the liability being financed?
- · What is the current yield on the investments?
- Is the current yield the same as the total overall return?

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Initial findings: Discount Rate project

Matching

- Accounting
 - Current IAS19 (pen)
 - Future IFRS4 (ins)
- Statutory reserves
 - Future (SII)
- Capital requirements (ins)
 - Current ICA
 - Future (SII)
- Shareholder (ins)
 - MCEV
- Risk transfer
 - Section75 (Pen)
 - Hedging (banks, ins)

Budgeting

- Accounting
 - Current (ins)
 - Director's pensions
- Statutory reserves
 - Current (ins)
- Funding (pens)
 - Technical provisions
 - Recovery plans
- Shareholder (ins)
 - Traditional EV
- Risk transfer
 - Transfer values (pen)
- Govt STPR
- Fundamental value

Calculations differ in the nature and degree of risk embedded in the discount rate

Initial findings: common language

- Improved language
 - Glossary of terms?
- Disclosure of risk
 - How risk is accommodated in calculations.
 - How communicated
 - Are consequences understood?
- Education
 - Long term financing and regular measurement
 - Behavioural consequences
- Should discount rates state a specific purpose?

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Should discount rates differ?

- Funding (budgeting exercise)
 - Enable different views on future uncertain events
 - New benefits vs deficit correction
- Valuation /Assessing capital (matching)
 - Is this a least risk assessment?
 - Should it take account of specific circumstances
 - own credit risk or a fulfilment approach
- Do different purposes justify different approaches
 - Market consistent (portfolio replication) or expected return (projected budgeting)?
- Accounting:
 - Is the purpose to provide best possible quantification or to facilitate comparison?
- Who are the end users and what are their purposes?

Differing discount rates: security

- · Does security justify different discount rates
 - Guaranteed versus discretionary benefits
 - Should the risk of guarantor default be considered? If so how measured?
 - Security depends on collateral, amount and quality; should identical pension funds with same funding level but different assets (including contingent assets) have different discount rates?
 - External protection, PPF, FSCS, other?
 - Should future actions be considered, investment policy, or regulatory, for example removal of Tax advantages on commutation?
 - Does the legal vehicle for delivering the benefits matter? Should insured benefits be discounted differently?
- Should this be recast as a discussion on capital?
 - Extra risk = lower security; an expression of capital

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Discount Rates: the actuarial profession

- Should the profession address the diversity of approaches to discount rates?
- Should the IAA be leading the work for the IASB, what role should the UK profession play?
- What are the risks to the profession if it:
 - i) does not provide direction on discount rates
 - ii) advocates a change in approach?
- Can this debate and work be structured to enhance the standing of the profession?